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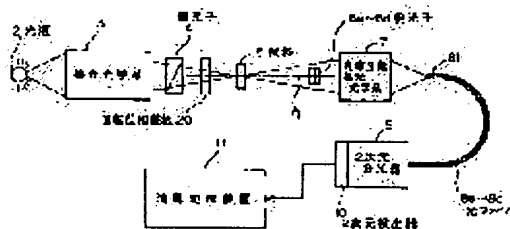
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(54) POLARIZATION ANALYSIS DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To simultaneously measure light through each analyzer and to reduce measurement time by using an analysis means where at least three types of analyzers are combined for measurement.

SOLUTION: A sample-transmission-type spectral polarization analysis device allows light from a white light source 2 to hit against a sample 5 through a condensation optical system 3 and a linear polarizer 4 and then a rotatable phase difference plate 20, passes light being transmitted through the sample 5 through a plurality of linear analyzers 6a-6d, and applies light to a plurality of optical fibers 8a-8d through a luminous flux separation condensation optical system 7. Light through the optical fibers 8a-8d enters a two-dimensional spectroscopy such as a CCD and their spectrum is independently detected by a two-dimensional detector 10. The detected spectrum signal is inputted to an arithmetic processing device 11 for performing a polarization analysis operation. The polarizer 4 requires a rotating object when it is used for measurement and calibration as a stokes meter but may be of a fixed type that cannot be rotated when it is used for measurement as an ellipsometer.



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